

ALBERTSSON et al.
New U.S. Patent Application

Bl
(one)

the third axis are arranged on opposite sides of the longitudinal axis of the first arm, the supporting arm being arranged to exert a resilient force in the longitudinal direction of the cabling, and the supporting device comprising an auxiliary arm with a second attachment arranged at the second arm.

Al Ch
Conti

2. (Amended) A manipulator according to claim 1, wherein the supporting arm comprises an angled part which permits the cabling to be held stretched centrally over the first arm.

SB

3. (Amended) A manipulator according to claim 1, wherein the auxiliary arm is arranged at the turning disc of the manipulator.

Ch

4. (Amended) A manipulator according to claim 1, wherein the supporting arm and the auxiliary arm support a bendable tube, in which the cabling is running.

5. (Amended) A manipulator according to claim 1, wherein a spiral spring is arranged around the third axis for influencing the supporting arm.

6. (Amended) A manipulator according to claim 5, wherein the spiral spring is housed in a container.

9b
B3

Al
Conti.

09502536-07.1.10.1

7. (Amended) A method in a manipulator comprising a plurality of mutually movable arms, a first of said arms being rotatably arranged around a first axis (A) and a second of said arms being rotatably arranged around a second axis (B), cabling extending along the arms which are mutually movable and a supporting device which supports a part of the cabling extending between the first arm and the second arm, the supporting device comprising a supporting arm which is rotatably arranged around a third axis (C) and is arranged at the first arm, and a first attachment, which surrounds the cabling, is arranged at the outer end of the supporting arm, comprising the steps of arranging the first attachment and the third axis on opposite sides of the longitudinal axis of the first arm, adapting the supporting arm to exert a spring force directed along the cabling, and providing the supporting device as an auxiliary arm with a second attachment which is arranged at the second arm.

Conti

8. (Amended) A method according to claim 7, wherein the supporting arm comprises an angled part which permits the cabling to be kept stretched centrally over the first arm.

9. (Amended) A method according to claim 7, further comprising arranging the auxiliary arm at the turning disc of the manipulator.